

# Multiplication Concept Builder 6.2

$$3 \times 4 = 12$$

Groups of "Things" TOTAL

Draw the **FACT**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , etc.

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Multiplication is **REPEATED ADDITION!**



Rewrite the fact:  $\bigcirc \times \bigcirc = \square$

Write the **COMMUTATIVE**:  $\bigcirc \times \bigcirc = \square$

Draw the **COMMUTATIVE**. Cross out extra groups. For the "things" in each group, draw  $\checkmark$ ,  $\text{☺}$ ,  $\text{♥}$ , etc.

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Below are the **ARRAYS** for the fact and commutative. Record the fact: the number of groups (rows) and "things" (circles per row). Then write the product (total). The fact has been done for you.

**ARRAY** for 3X4

1	2	3	4
1	2	3	4
1	2	3	4

Fact

Your Turn!

**ARRAY** for 4X3

1	2	3
1	2	3
1	2	3
1	2	3

Commutative

$$\frac{3}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{4}{\text{Product Total}} = \frac{12}{\text{Product Total}}$$

$$\frac{\quad}{\text{Groups of "Things" (Rows of Circles)}} \times \frac{\quad}{\text{Product Total}} = \frac{\quad}{\text{Product Total}}$$

Create a **FACT FAMILY**. Write the **FACTORS** in the circles. Write the **PRODUCT** in the boxes.

Write the fact here.  $\bigcirc \times \bigcirc = \square$       $\square \div \bigcirc = \bigcirc$

Write the commutative here.  $\bigcirc \times \bigcirc = \square$       $\square \div \bigcirc = \bigcirc$